

What is claimed is:

[Claim 1] 1. A method for controlling a pick-up head during a long seek, comprising:

identifying an accelerating direction of a sledge; and

when the sledge accelerates, applying a force with a direction identical to the accelerating direction on the pick-up head for driving the pick-up head to move along the accelerating direction.

[Claim 2] 2. A method for controlling a pick-up head during a long seek for used in the pick-up head without a central error output, comprising:

driving a sledge by using a Feed Motor Output (FMO) signal; and

when the sledge accelerates, providing a controlling signal to the pick-up head for driving the pick-up head to accelerate along an accelerating direction of the sledge.

[Claim 3] 3. The method of claim 2, wherein a ratio of the FMO signal to the controlling signal is a predetermined value.